

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Our Docket No.: **I69.12-0555**

Date: **August 5, 2003**

First Named Inventor: **Bane Vasic et al.**

Title: **SYSTEM AND METHOD FOR ITERATIVE DECODING OF
REED-MULLER CODES**

Express Mail No.: **EV 302261038 US**

03915 U.S. PTO
10/634723
08/05/03

APPLICATION ELEMENTS

ADDRESS TO:

**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

1. ☒ Fee Calculation Sheet
(Submit an original and a duplicate for fee processing)

2. ☐ Applicant claims small entity status

3. ☒ Specification Total Pages **[36]**

- Descriptive title of the invention
- Cross References to Related Applications
- Statement Regarding Fed. Sponsored R&D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claims
- Abstract of the Disclosure

4. ☒ Drawings (35 U.S.C. 113) Total Sheets **[15]**

5. ☒ Oath or Declaration Total Pages **[3]**

- a. ☒ Newly Executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. 1.63(d) - for continuation/divisional with Box 18 completed)

[Mark Box 5 below]

I. ☐ **DELETION OF INVENTOR(S)**

Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b)

6. ☒ Application Data Sheet. See 37 CFR 1.76.

- 7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)
- 8. Nucleotide and/or Amino Acid Sequence Submission (*If applicable, all necessary*)
 - a. ☐ Computer Readable Copy (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies; or
 - ii. ☐ Paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- 9. ☒ Assignment Papers (cover sheet & document(s))
- 10. ☒ 37 C.F.R. 3.73(b) Submission
- 11. ☒ Power of Attorney
- 12. ☒ English Translation Document (*if applicable*)
- 13. ☒ Information Disclosure Statement with copies of Citations as necessary
- 14. ☐ Preliminary Amendment Total Pages ☐
- 15. ☒ Return Receipt Postcard (*Should be specifically itemized*)
- 16. ☐ Certified Copy of Priority document(s) (*If foreign priority is claimed*)
- 17. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Application must attach form PTO/SB/35 or its equivalent
- 18. ☐ Other

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Division ☐ Continuation-in-part (CIP) of prior Application No.

Prior Application Information: Examiner Group Art Unit

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

ATTY NAME
AND REG. NO.

David R. Fairbairn 26,047

SIGNATURE:




ADDRESS

**Kinney & Lange, P.A.
THE KINNEY & LANGE BUILDING
312 South Third Street
Minneapolis, MN 55415-1002**

TELEPHONE

(612) 339-1863

FAX: (612) 339-6580

 FEE TRANSMITTAL		Complete if Known	
		Application No.	
		Filing Date	August 5, 2003
		First Named Inventor	Bane Vasic et al.
		Group Art Unit	
		Examiner Name	
Total Amount of Payment \$1,048.00		Atty. Docket Number	169.12-0555

<p style="text-align: center;">METHOD OF PAYMENT (Check One)</p> <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. 1.16 and 1.17 and credit any over payments to Deposit Account No. 11-0982. Deposit Account Name: Kinney & Lange, P.A. A duplicate copy of this communication is enclosed</p> <p>2. <input checked="" type="checkbox"/> Check Enclosed</p> <p style="text-align: center;">FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>750</td> <td>2001</td> <td>375</td> <td><input checked="" type="checkbox"/> Utility Filing Fee</td> </tr> <tr> <td>1006</td> <td>330</td> <td>2006</td> <td>165</td> <td><input type="checkbox"/> Design Filing Fee</td> </tr> <tr> <td>1004</td> <td>750</td> <td>2004</td> <td>375</td> <td><input type="checkbox"/> Reissue Filing Fee</td> </tr> <tr> <td>1005</td> <td>160</td> <td>2005</td> <td>80</td> <td><input type="checkbox"/> Prov. Filing Fee</td> </tr> <tr> <td colspan="5" style="text-align: right;">Subtotal (1) \$750.00</td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Number Claims</th> <th>Prior**</th> <th>Extra</th> <th>Fee from Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>25</td> <td>-</td> <td>20</td> <td>= 5 x 18 =</td> <td>90</td> </tr> <tr> <td>Indep.</td> <td>5</td> <td>-</td> <td>3</td> <td>= 2 x 84 =</td> <td>168</td> </tr> <tr> <td>Multiple Dependent Claims</td> <td></td> <td></td> <td></td> <td>* =</td> <td>*</td> </tr> </tbody> </table> <p><small>**Insert 3 and 20, or number previously paid if greater; Reissue see below</small></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>18</td> <td>2202</td> <td>9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>1201</td> <td>84</td> <td>2201</td> <td>42</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>1203</td> <td>280</td> <td>2203</td> <td>140</td> <td>Multiple Dependent Claim</td> </tr> <tr> <td>1204</td> <td>84</td> <td>2204</td> <td>42</td> <td>Reissue Independent Claims Over Original Patent</td> </tr> <tr> <td>1205</td> <td>18</td> <td>2205</td> <td>9</td> <td>Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="5" style="text-align: right;">Subtotal (2) \$258.00</td> </tr> </tbody> </table>	Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	1001	750	2001	375	<input checked="" type="checkbox"/> Utility Filing Fee	1006	330	2006	165	<input type="checkbox"/> Design Filing Fee	1004	750	2004	375	<input type="checkbox"/> Reissue Filing Fee	1005	160	2005	80	<input type="checkbox"/> Prov. Filing Fee	Subtotal (1) \$750.00						Number Claims	Prior**	Extra	Fee from Below	Fee Paid	Total	25	-	20	= 5 x 18 =	90	Indep.	5	-	3	= 2 x 84 =	168	Multiple Dependent Claims				* =	*	Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Description	1202	18	2202	9	Claims in excess of 20	1201	84	2201	42	Independent claims in excess of 3	1203	280	2203	140	Multiple Dependent Claim	1204	84	2204	42	Reissue Independent Claims Over Original Patent	1205	18	2205	9	Reissue claims in excess of 20 and over original patent	Subtotal (2) \$258.00					<p style="text-align: center;">FEE CALCULATION (Continued)</p> <p>3. ADDITIONAL FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - Late filing fee or oath</td><td>*</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>*</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td>*</td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For Filing a Request for Reexamination</td><td>*</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td>*</td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td>*</td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td>*</td></tr> <tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td>*</td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td>*</td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td>*</td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td>*</td></tr> <tr><td>1814</td><td>110</td><td>2814</td><td>55</td><td>Terminal Disclaimer Fee</td><td>*</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td>*</td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td>*</td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility/Reissue issue fee</td><td>*</td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td>*</td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td>*</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td>*</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Statement</td><td>*</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40</td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td><td>*</td></tr> <tr><td colspan="5">Other fee (specify) _____</td><td>*</td></tr> <tr> <td colspan="5" style="text-align: right;">Subtotal (3) \$40.00</td> </tr> </tbody> </table>	Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee paid	1051	130	2051	65	Surcharge - Late filing fee or oath	*	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	*	1053	130	1053	130	Non-English specification	*	1812	2,520	1812	2,520	For Filing a Request for Reexamination	*	1251	110	2251	55	Extension for reply within first month	*	1252	410	2252	205	Extension for reply within second month	*	1253	930	2253	465	Extension for reply within third month	*	1254	1,450	2254	725	Extension for reply within fourth month	*	1255	1,970	2255	985	Extension for reply within fifth month	*	1402	320	2402	160	Filing a brief in support of an appeal	*	1403	280	2403	140	Request for oral hearing	*	1814	110	2814	55	Terminal Disclaimer Fee	*	1452	110	2452	55	Petition to revive - unavoidable	*	1453	1,300	2453	650	Petition to revive - unintentional	*	1501	1,300	2501	650	Utility/Reissue issue fee	*	1502	470	2502	235	Design issue fee	*	1460	130	1460	130	Petitions to the Commissioner	*	1807	50	1807	50	Petitions related to provisional applications	*	1806	180	1806	180	Submission of Information Disclosure Statement	*	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40	1801	750	2801	375	Request for Continued Examination (RCE)	*	Other fee (specify) _____					*	Subtotal (3) \$40.00				
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description																																																																																																																																																																																																																																					
1001	750	2001	375	<input checked="" type="checkbox"/> Utility Filing Fee																																																																																																																																																																																																																																					
1006	330	2006	165	<input type="checkbox"/> Design Filing Fee																																																																																																																																																																																																																																					
1004	750	2004	375	<input type="checkbox"/> Reissue Filing Fee																																																																																																																																																																																																																																					
1005	160	2005	80	<input type="checkbox"/> Prov. Filing Fee																																																																																																																																																																																																																																					
Subtotal (1) \$750.00																																																																																																																																																																																																																																									
	Number Claims	Prior**	Extra	Fee from Below	Fee Paid																																																																																																																																																																																																																																				
Total	25	-	20	= 5 x 18 =	90																																																																																																																																																																																																																																				
Indep.	5	-	3	= 2 x 84 =	168																																																																																																																																																																																																																																				
Multiple Dependent Claims				* =	*																																																																																																																																																																																																																																				
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Description																																																																																																																																																																																																																																					
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																																																																					
1201	84	2201	42	Independent claims in excess of 3																																																																																																																																																																																																																																					
1203	280	2203	140	Multiple Dependent Claim																																																																																																																																																																																																																																					
1204	84	2204	42	Reissue Independent Claims Over Original Patent																																																																																																																																																																																																																																					
1205	18	2205	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																					
Subtotal (2) \$258.00																																																																																																																																																																																																																																									
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee paid																																																																																																																																																																																																																																				
1051	130	2051	65	Surcharge - Late filing fee or oath	*																																																																																																																																																																																																																																				
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	*																																																																																																																																																																																																																																				
1053	130	1053	130	Non-English specification	*																																																																																																																																																																																																																																				
1812	2,520	1812	2,520	For Filing a Request for Reexamination	*																																																																																																																																																																																																																																				
1251	110	2251	55	Extension for reply within first month	*																																																																																																																																																																																																																																				
1252	410	2252	205	Extension for reply within second month	*																																																																																																																																																																																																																																				
1253	930	2253	465	Extension for reply within third month	*																																																																																																																																																																																																																																				
1254	1,450	2254	725	Extension for reply within fourth month	*																																																																																																																																																																																																																																				
1255	1,970	2255	985	Extension for reply within fifth month	*																																																																																																																																																																																																																																				
1402	320	2402	160	Filing a brief in support of an appeal	*																																																																																																																																																																																																																																				
1403	280	2403	140	Request for oral hearing	*																																																																																																																																																																																																																																				
1814	110	2814	55	Terminal Disclaimer Fee	*																																																																																																																																																																																																																																				
1452	110	2452	55	Petition to revive - unavoidable	*																																																																																																																																																																																																																																				
1453	1,300	2453	650	Petition to revive - unintentional	*																																																																																																																																																																																																																																				
1501	1,300	2501	650	Utility/Reissue issue fee	*																																																																																																																																																																																																																																				
1502	470	2502	235	Design issue fee	*																																																																																																																																																																																																																																				
1460	130	1460	130	Petitions to the Commissioner	*																																																																																																																																																																																																																																				
1807	50	1807	50	Petitions related to provisional applications	*																																																																																																																																																																																																																																				
1806	180	1806	180	Submission of Information Disclosure Statement	*																																																																																																																																																																																																																																				
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40																																																																																																																																																																																																																																				
1801	750	2801	375	Request for Continued Examination (RCE)	*																																																																																																																																																																																																																																				
Other fee (specify) _____					*																																																																																																																																																																																																																																				
Subtotal (3) \$40.00																																																																																																																																																																																																																																									

Signature



David R. Fairbairn

Reg. No.

26,047

Date

8/5/03

Deposit Account No.

11-0982

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor : Bane Vasic et al.	Batch No:
Appln. No. :	Allowed:
Filed : August 5, 2003	Group Art Unit:
Title : SYSTEM AND METHOD FOR ITERATIVE DECODING OF REED-MULLER CODES	Examiner:
Docket No. : I69.12-0555	

LETTER TO OFFICIAL DRAFTSMAN

Mail Stop Patent Application
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SENT VIA EXPRESS MAIL
Express Mail No.: EV 302261038 US

Sir:

Enclosed are fifteen (15) sheets of formal drawings for filing in the above-identified application.

Respectfully submitted,

KINNEY & LANGE, P.A.

Date:

8/5/03

By:



David R. Fairbairn, Reg. No. 26,047
THE KINNEY & LANGE BUILDING
312 South Third Street
Minneapolis, MN 55415-1002
Telephone: (612) 339-1863
Fax: (612) 339-6580

DRF:bac